

**Amendments to the Specification**

On page 1, line 1, please replace the title with the following:  
METHOD AND SYSTEM OF ITERATIVELY DETECTING AND DECODING  
RECEIVED SYMBOLS, COUPLED WITH A RE-ESTIMATION OF THE  
COEFFICIENTS OF THE TRANSMISSION CHANNEL

On page 1, after the title, please insert the following section heading:  
CROSS-REFERENCE TO RELATED APPLICATIONS  
after which, please insert: This application claims the benefit of the filing date of application  
no. FR 0006246, filed on May 16, 2000.

On page 1, line 4, please insert the following section heading:  
BACKGROUND OF THE INVENTION

On page 5, line 7, please insert the following section heading:  
OBJECTS OF THE INVENTION

On page 6, line 1, please insert the following section heading:  
BRIEF SUMMARY OF THE INVENTION

On page 7, line 1, please insert the following section heading:  
BRIEF DESCRIPTION OF THE DRAWINGS

On page 9, line 3, please insert the following section heading:  
DETAILED DESCRIPTION OF THE INVENTION